

Claims

1. A landing flap guide for aircraft, wherein a guide element is connected to a landing flap that is supported in a guide rail and that is adjustable between a take-off position and a landing position, wherein the guide element (4) is realized as a slide that is adjustable in the form of an essentially straight landing flap carrier (3) as a guide by means of at least one glide guide (41, 42; 43, 44) of the landing flap carrier (3).
2. The landing flap guide of claim 1, wherein the glide guide comprises at least one glide element (41; 43) as well as an assigned recess (42; 44), into which the glide element extends and in which it is guided in a gliding manner.
3. The landing flap guide of claim 1 or 2, wherein a first and a second glide guide (41, 42; 43, 44) are provided that respectively comprise three glide pairs and are designed for at least absorbing forces that essentially act upon the landing flap carrier (3) perpendicularly.
4. The landing flap guide of one of claims 1 to 3, wherein the air loads exerted by the landing flap (1) are absorbable by a first and a second glide pair (43, 44) and mass forces are absorbable by a third glide pair (43, 44).
5. The landing flap guide of one of claims 1 to 4, wherein at least one glide guide (41, 42; 43, 44) has glide surfaces that are made of at least one material of the following group: metals with coating, metals without coating, ceramics, synthetic materials with embedded ceramics or metals, fiber-reinforced synthetic materials, fiber-reinforced ceramics, as well as carbon layers applied onto a substrate in a plasma.